

ABSTRACT

A method of increasing control precision of a path of a product in a leveling machine including: a fixed support cage; two leveling assemblies with parallel rollers, which are placed above and below the strip respectively; devices necessary to adjust the interlocking of the rollers; a mechanism for measuring leveling forces at least of two sides of the machine; and a theoretical pre-setting model. The method directly measures at least one value for the spacing of the leveling rollers, which is compared to reference values, and uses the members for adjusting the position of the leveling rollers to maintain the measured values equal to the reference values. The method is particularly suitable for machines used to level flat metal products.